

State Agricultural Summaries

These summaries, issued weekly through the summer growing season, provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at <http://www.usda.gov/nass/> or from JAWF at <http://www.usda.gov/oce/waob/jawf>.

ALABAMA: Days suitable for fieldwork 6.8. Topsoil 52% very short, 38% short, 10% adequate. Corn 98% silked, 98% 1999, 99% 5 yr avg.; Corn 80% dough, 78% 1999, 5 yr avg not available.; 56% dented, 58% 1999, 72% 5 yr avg.; Corn 46% mature, 26% 1999, 37% 5 yr avg.; 35% very poor, 21% poor, 33% fair, 9% good, 2% excellent. Soybeans 50% blooming, 37% 1999, 47% 5 yr avg.; 23% setting pods, 19% 1999, 23% 5 yr avg.; 9% very poor, 22% poor, 56% fair, 13% good. Pasture feed 32% very poor, 32% poor, 29% fair, 6% good, 1% excellent. Livestock 11% very poor, 20% poor, 37% fair, 29% good, 3% excellent. Scattered showers lessened the impact of extremely hot, dry conditions on crops. Hay still being distributed to farmers.

ALASKA: Days suitable for fieldwork 6.0. Topsoil 30% short, 70% adequate. Subsoil moisture 35% short, 65% adequate. Conditions were cloudy, damp for the week, making hay harvest difficult. Daytime high temperatures averaged in the mid-sixties, lows averaged in the upper-forties. Light frost was reported at Kenny Lake on the 24th. Barley 75% in dough, 64% 1999, 100% avg.; 30% fair, 60% good, 10% excellent. Oats 55% in dough, 39% 1999, 100% avg. Wind or rain damage to crops 95% none, 5% light. Potatoes 70% in bloom, 48% 1999, 60% avg. First cutting hay harvest 70% complete, 79% 1999, 79% avg. Average height of 2nd crop hay 9". Major farming activities for the week included: Cutting, harvesting hay fields, harvesting vegetables, weed control, machinery, fence repair.

ARIZONA: Area recorded above avg temperatures with modest precipitation during the week of July 30. Weather conditions had a minimal impact on crop production due to irrigation. Ranges, pastures remain in poor to fair condition with ranchers reporting substantial precipitation needed to improve conditions.

ARKANSAS: Days suitable for fieldwork: 7.0. Soil moisture 14% very short, 48% short, 38% adequate. Rice 38% headed, 35% 1999, 37% 5 yr. avg.; 2% very poor, 5% poor, 22% fair, 56% good, 15% excellent. Sorghum 89% headed, 85% 1999, 77% 5 yr. avg.; 50% turning color, 19% 1999, 20% 5 year avg.; 1% very poor, 5% poor, 29% fair, 58% good, 7% excellent. Cotton 98% setting bolls, 95% 1999, 95% 5 year avg.; 10% poor, 33% fair, 44% good, 13% excellent. Soybean 100% emerged, 100% 1999, 100% 5 yr avg.; 59% bloomed, 62%, 1999, 53% 5 yr avg.; 28% setting pods, 23% 1999, 19% 5 yr avg.; 6% very poor, 17% poor 34% fair, 35% good, 8% excellent. Corn 100% silked; 80% dough; 27% dent; 1% very poor, 2% poor, 12% fair, 59% good, 26% excellent. Alfalfa Hay 4% very poor, 6% poor, 24% fair, 63% good, 3% excellent; Other Hay 2% very poor, 6% poor, 33% fair, 49% good, 10% excellent. Pasture, Range 3% very poor, 8% poor, 33% fair, 49% good, 7% excellent. Farmers continued irrigating corn, cotton, rice, soybean fields. Fungicides were applied to rice fields for disease control. Soybeans, rice were still being sprayed with herbicides to control weeds. Some cotton fields continued to be sprayed for spider mites, aphids, boll weevils. Rice fields were being treated for sheath blight, grasshoppers. Armyworms, thrips were being treated in soybean fields. Some pastures were also being affected by armyworms. Many rice farmers were applying mid-season Nitrogen to their fields. Other activities included: Fertilizing, applying weed control to pastures, as well as, cutting, baling hay. Livestock were in good condition. However, heat, humidity were beginning to stress livestock, poultry. Cattle were being treated for horn flies, internal parasites, as well as, pinkeye. Many reports are received on Friday, may not reflect conditional changes due to weekend weather.

CALIFORNIA: Cotton condition improved as temperatures returned to seasonal normals across much of the state. Some cotton fields were still blooming. Several fields were treated for lygus, worms, mites. A few cotton growers reported heavy aphid populations. Occasional fields were treated to retard growth, improve the boll set. Field crop irrigation continued. A few fields of corn for silage were still being planted. Meanwhile, mature corn fields continued to be harvested at a rapid rate. Grain corn was drying for harvest. Wheat harvest was nearly completed. Black-eyed beans continued to set pods in optimal conditions. Some bean fields were treated for worms. Alfalfa continued to be cut, raked, baled. Earlier cool temperatures had slowed drying in occasional alfalfa fields. Alfalfa for hay, seed production was treated for lygus, worms, mites. Sudan hay was cut. Several fields of sudan hay, sunflower were treated for weeds. Sugarbeets, safflower were being harvested. Rice heading was underway, with conditions generally favorable. Rice fields

continued to be treated for weeds, armyworms. Growers were actively conducting cultural activities in vineyards, orchards. Activities included weed control, fungicide applications and irrigation. Growers treated grape vineyards for mildew, leafhoppers. Picking of grapes for fresh use was active in the San Joaquin Valley. Perlette, Thompson Seedless, Flame Seedless were the primary varieties harvested. Harvesting of figs, nectarines, plums, freestone peaches, clingstone peaches was active. Bartlett pear harvest was also active in the Sacramento delta area. Picking of Gala variety apples continued. Walnuts were treated for blight, codling moth. Almonds were treated for mites, navel orangeworm. Some almond hulls were splitting as growers prepared for harvest. Picking of grapefruit was active in the San Joaquin Valley. Lemon harvest was active in southern state. The harvest of Valencia oranges progressed in southern state, in the San Joaquin Valley. Strawberry picking was active on the central coast. Harvesting of garlic, onions was very active. Insecticide applications to bell pepper fields slowed. Pesticide treatments were applied to some tomato fields, for control of aphids, worms, stink bugs. Fresh, processing tomatoes were harvested; yields were above normal. Tomato, bell pepper planting continued. Honeydew, pink honeydew melons were being picked. Good sugar levels and high quality were noted. Watermelon growers were anticipating faster maturity as temperatures increased. The cantaloupe harvest slowed this week; some late season cantaloupe fields were still being planted. Some Sacramento Valley melon fields were treated for worms. The harvest of various summer vegetables was in full swing. Carrots continued to be harvested and planted in Kern County. The following vegetables were also harvested this week: Basil; broccoli; radishes; cilantro; cucumbers; sweet corn; yellow, green, long beans; eggplant; mustard greens; green onions; mixed melons; okra; parsley; bell, sweet, Jalapeno, chili peppers; kabocha, scalloped, yellow crookneck, golden zucchini, zucchini squash; snap peas; spinach; cherry tomatoes. Most pasture activity was on irrigated pastures at higher elevations or in valley areas. These pastures, cattle were in good condition. Good weight gains were reported in some areas. A few of the cattle that remained on dry foothill pastures in central state were being fed supplemental feed. Dry foothill grass was causing fire problems in some areas. Bees continued to pollinate seed alfalfa, melon, vineseed fields.

COLORADO: Days suitable for fieldwork 6.5. Topsoil 25% very short, 37% short, 38% adequate, 0% surplus. Subsoil moisture 28% very short, 43% short, 29% adequate, 0% surplus. Seasonal weather patterns dominated the state last week with high temperatures in the upper 80s, isolated, afternoon thunderstorms providing some additional moisture. Pueblo County experienced a severe hail storm that impacted all the crops in that area. Most crop condition ratings improved slightly last week but overall conditions remain very dry in most areas. Spring barley 88% turning color, 86% 1999, 76% avg.; 33% harvested, 14% 1999, 15% avg.; 2% very poor, 8% poor, 16% fair, 54% good, 20% excellent. Dry onions 6% very poor, 5% poor, 16% fair, 58% good, 15% excellent. Sugar beets 6% very poor, 7% poor, 18% fair, 46% good, 23% excellent. Summer potatoes 5% harvested, 1% 1999, 3% avg.; 1% very poor, 4% poor, 12% fair, 47% good, 36% excellent. Fall potatoes 4% poor, 8% fair, 63% good, 25% excellent. Dry beans 63% flowered, 51% 1999, 55% avg.; 18% very poor, 8% poor, 21% fair, 39% good, 14% excellent. Spring wheat 80% turning color, 65% 1999, 62% avg.; 30% harvested, 18% 1999, 11% avg.; 4% very poor, 14% poor, 29% fair, 44% good, 9% excellent. Alfalfa 67% 2nd cutting, 50% 1999, 53% avg.

DELAWARE: Days suitable for fieldwork 3.6. Topsoil 70% adequate, 30% surplus. Subsoil moisture 3% short, 67% adequate, 30% surplus. Field corn 89% silked, 85% 1999, 76% avg.; 37% doughed, 21% in 1999, 19% avg. Sweet corn 34% harvested, 38% 1999, 36% avg. Cucumbers 45% harvested, 34% 1999, 44% avg. Soybeans 47% bloomed, 26% 1999, 38% avg.; 17% setting pods, 13% 1999, 12% avg. Sorghum 2% fair, 57% good, 41% excellent; 33% headed, 22% 1999, 24% avg. Snap beans 53% harvested, 47% 1999, 33% avg. Pasture feed 2% poor, 8% fair, 68% good, 22% excellent. Corn 3% fair, 46% good, 51% excellent. Soybean 7% fair, 74% good, 19% excellent. Potatoes 30% harvested 42% 1999, 38% avg. Apple 3% fair, 82% good, 22% excellent; 5% harvested, 7% 1999, 3% avg. Peaches 7% fair, 80% good, 13% excellent; 38% harvested, 27% 1999, 29% avg. Hay supplies 7% short, 93% adequate. Percent of cutting hay crop harvest; clover, other hays, 2nd cutting 75% cut, 76% 1999, 88% avg.; 3rd cutting 48% cut 66% 1999, 37% avg. Alfalfa 3rd cutting 40% cut, 63% 1999, 35% avg. Tomatoes 29% harvested, 23% 1999 23% avg. Activities: Corn is tall, but it needs

sun for the ears to fill out properly. Consensus seems to be the corn crop will be good or better than the 1996 record yields.

FLORIDA: Widespread showers brought significant rain to many localities. Rainfall ranged from about 1.00 to almost 4.00 in. in most areas. Rains skipped some southeastern coastal areas with Ft. Pierce, West Palm Beach recording from traces to less than 0.50 in. Pensacola recorded only traces with most of Panhandle, some northern Peninsula localities still having drought conditions. Overcast skies kept most high temperatures in 80s, low 90s. Lows mostly 60s, 70s with a few record lows set. Temperatures averaged from 3° below normal to 1° above at major stations. Moisture in State short to adequate. Tobacco harvest active. Tobacco markets open August 1. Sugarcane in good condition. Haying active with light cuttings. Peanuts 81% pegged. Peanut crop 1% very poor, 2% poor, 84% fair, 13% good. Central, southern Peninsula vegetable growers preparing land, laying plastic for fall crop planting; afternoon showers delaying some field activities. Planting cherry, grape tomatoes underway; planting round tomatoes expected to start next 7 to 10 days, Palmetto-Ruskin region. Okra harvesting active, Dade county. Picking summer squash continues, Palmetto-Ruskin area. Heavy rains most citrus areas, surface moisture levels adequate, lots of new growth. Lakes, ponds, streams refilling all areas. A little late bloom, most from stressed trees. New crop fruit making good progress. All large juice plants closed. Caretakers cutting cover crops, spraying, fertilizing, removing dead trees, burning debris. Pasture feed 5% poor, 70% fair, 25% good. Cattle 5% poor, 55% fair, 40% good. Statewide, pasture feed unchanged, cattle condition improved. Panhandle: pasture grass short, condition fair. North: cattle, pasture fair to good, pasture improved. Central: pasture improving but grass short. Stock ponds still low. West-Central: Cattle, pastures improving following rain.

GEORGIA: Days suitable for field work 5.9. Soil moisture 27% very short, 40% short, 32% adequate, 1% surplus. Corn 85% dent; 83% 1999, 82% avg.; 56% mature, 52% 1999, 50% avg.; 13% harvested for grain, 8% 1999, 6% avg. Cotton 96% squaring, 98% 1999, 99% avg. Hay 22% very poor, 36% poor, 31% fair, 10% good, 1% excellent. Sorghum 17% very poor, 29% poor, 38% fair, 14% good, 2% excellent. Tobacco 4% very poor, 14% poor, 39% fair, 37% good, 6% excellent; 41% harvested, 49% 1999, 53% avg. Watermelons 94% harvested, 93% 1999, 92% avg. Apples 4% poor, 45% fair, 44% good, 7% excellent; 6% harvested, 2% 1999, 2% avg. Peaches 93% harvested, 90% 1999, 93% avg. Pecans 10% very poor, 18% poor, 43% fair, 25% good, 4% excellent. Cooler temperatures, scattered rains brought temporary relief across the State last week. Beneficial effects of the rain were limited because of surface runoff. Soil moisture remained low. Irrigation occurred where possible. Pond, stream levels continued to be low. Tobacco harvesting increased last week. Poor stands of cotton were plowed up. Cotton farmers sprayed for bollworms, also applied fertilizer. Lesser cottonstalk borers appeared in dryland peanuts. Corn harvest picked up. Farmers applied herbicides, fungicides to crops. Watermelon, peach harvesting slowed. Pasture conditions improved. Cattlemen continued to feed hay. Future hay supplies were a concern. Farmers cut hay. Some fields were treated for army worms. Other activities included: Spraying pecan orchards for leaf, nut disease.

HAWAII: Weather conditions were generally fair for agriculture during the week. Most areas were sunny except for some occasionally heavy trade wind showers. Tropical storm Daniel is projected to pass safely to the north of the islands over the next 24 hours. Heavy showers, winds in the 30-35 mph range are expected. Harvesting of bananas, papayas was steady. Spraying for disease control was increased in the wetter areas. Most vegetables made fair to good progress. Field work was hampered in the wetter areas. Sweet corn, watermelon harvesting activity expected to increase.

IDAHO: Days suitable for field work 6.9. Topsoil 27% very short, 35% short, 38% adequate. Hot, dry weather conditions continue across the state with above normal temperatures. Fires started by lightning strikes have damaged summer, fall range in Power County, some dryland wheat ground in Minidoka County, threatened many grain fields in Bingham County. Irrigation supply 16% excellent, 33% good, 27% fair, 16% poor, 8% very poor. 97% headed, 97% 1999; 3% harvested, 1% 1999, 2% avg.; Potatoes 91% closing middles, 1999 92%, 88% avg. Mint 77% harvested, 9% 1999, 18% avg. Peaches 20% harvested, 9% 1999, 11% avg. Dry Peas 21% harvested, 15% 1999, 14% avg. Lentils 0% harvested, 4% 1999, 2% avg. Alfalfa hay 70% 2nd cutting harvested, 61% 1999, 52% avg.; 14% 3rd cutting harvested, 7% 1999, 2% avg. Winter wheat 99% turning color, 89% 1999, 92% avg. Spring wheat 75% turning color, 52% 1999, 62% avg. Spring barley 64% turning color, 54% 1999, 54% avg. Activities: Irrigating, weed control, monitoring, controlling disease, pests, harvesting small grains, peaches, mint, dry peas, hay.

ILLINOIS: Days suitable for fieldwork 6.4. Topsoil 3% very short, 20% short, 69% adequate, 8% surplus. Oats 93% ripe, 93% 1999, 80% avg.; 74% harvested, 76% 1999, 50% avg. Alfalfa 94% 2nd cut, 95% 1999, 87% avg.; 25% 3rd cut, 23% 1999, 15% avg. The continued cool, dry weather last week has been beneficial for crop development, though the need for rain in the northern half of the state is becoming evident. The southern districts did get some scattered rainfall. The corn crop continues to develop ahead of normal. Farmers spent time mowing roadsides, waterways, preparing storage, equipment for harvest, caring for livestock.

INDIANA: Days suitable for fieldwork 6.5. Topsoil 7% very short, 33% short, 54% adequate, 6% surplus. Subsoil 7% very short, 28% short, 60% adequate, 5% surplus. Soils became progressively drier before rains arrived during weekend. Corn, soybeans showed some stress during the week. Harvesting of winter wheat is complete. Cooler than normal temperatures continued around the state. Precipitation averaged 0 to 2.76 inches. Many areas received more than an inch of rain. Temperatures averaged 2E to 7E below normal. There were no days above 90E in July, except the extreme southern areas. Weeds remain in portions of some soybean fields. Range, pasture 1% very poor, 3% poor, 30% fair, 55% good, 11% excellent. Alfalfa 20% 3rd cutting hay, 24% 1999. Major activities: Baling hay, straw, scouting fields, spraying, cleaning grain bins, hauling grain to market, mowing roads, pastures, equipment repair, hauling manure, attending county fairs, feeding, caring for livestock.

IOWA: Days suitable for field work 5.9. Topsoil 9% very short, 26% short, 61% adequate, 4% surplus. Subsoil moisture 15% very short, 30% short, 52% adequate, 3% surplus. Many areas received welcome rainfall, but hail, wind damage was reported in some districts. Timely rains are helping, but crops still need regular moisture to prevent deterioration. Some areas look great, but others are suffering from dry subsoil. Both corn, soybean crops continue to progress ahead of previous year, avg. Corn 95% silked, 87% 1999, 74% avg.; milk 50% stage, 33% 1999, 18% avg. dough 14% stage, 4% 1999, 3% avg. Corn 2% very poor, 6% poor, 19% fair, 45% good, 28% excellent. Soybeans 96% blooming, 93% 1999, 86% avg.; 77% setting pods, 57% 1999, 42% avg.; 1% very poor, 6% poor, 24% fair, 48% good, 21% excellent. Oats 95% harvested, 81% 1999, 64% avg. Range, pasture feed 6% very poor, 12% poor, 28% fair, 45% good, 9% excellent. Alfalfa 92% 2nd cutting, 81% 1999, 74% avg. Clover hay 72% 2nd cutting, 59% 1999, 40% avg. Hay 2% very poor, 6% poor, 24% fair, 47% good, 21% excellent.

KANSAS: Days suitable for fieldwork 4.6. Topsoil 9% very short, 29% short, 57% adequate, 5% surplus. Subsoil moisture 9% very short, 34% short, 54% adequate, 3% surplus. Alfalfa 77% 3rd cutting, 46 1999, 44 avg. Range, pasture feed 6% very poor, 16% poor, 35% fair, 37% good, 6% excellent. Producers moving double stocked cattle off summer range. Sunflowers 46% blooming, 31% 1999. Sunflower 2% poor, 36% fair, 58% good, 4% excellent.

KENTUCKY: Days suitable for fieldwork 5.6. Topsoil 13% very short, 24% short, 59% adequate, 4% surplus. Subsoil moisture 16% very short, 27% short, 52% adequate, 5% surplus. Temperatures were slightly below normal throughout the State. The commonwealth received a few scattered thunderstorms towards the end of the week; however the majority of the State is still in need of additional rainfall. South Central State remains the driest area. Corn, Soybean growth was ahead of avg. Blue mold in tobacco is becoming a concern in the eastern areas. Problems with black shank were reported in a few areas. Burley tobacco 69% blooming or beyond, 45% topped. Dark tobacco 62% topped. Tobacco 2% very poor, 5% poor, 20% fair, 55% good, 18% excellent. Pastures 5% very poor, 10% poor, 27% fair, 47% good, 11% excellent. Hay crop 3% very poor, 7% poor, 23% fair, 51% good, 16% excellent.

LOUISIANA: Days suitable for fieldwork 6.4. Soil moisture 32% very short, 48% short, 19% adequate, 1% surplus. Corn 4% very poor, 5% poor, 23% fair, 65% good, 3% excellent; 99% dough stage, 100% 1999, 99% avg.; 80% mature, 67% 1999, 64% avg.; 29% harvested, 6% 1999, 7% avg. Hay 63% final cutting, 29% 1999, 43% avg. Peaches 96% harvested, 100% 1999, 92% avg. Rice 60% ripe, 43% 1999, 33% avg. Rice producers were harvesting. Soybeans were being scouted for insects. Sorghum 37% ripe, 8% 1999, 8% avg. Sugarcane 0% very poor, 11% poor, 31% fair, 45% good, 13% excellent. Sugarcane growers continued planting preparations, scouting for borers. Sweet Potatoes 2% harvested, 5% 1999, 2% avg. Sweet Potato growers were getting geared up for harvest. Livestock 1% very poor, 11% poor, 37% fair, 40% good, 11% excellent. Vegetables 8% very poor, 25% poor, 41% fair, 25% good, 1% excellent.

MARYLAND: Days suitable for fieldwork 3.6. Topsoil 76% adequate, 24% surplus. Subsoil moisture 2% short, 84% adequate, 14% surplus.

Cucumbers 55% harvested, 54% 1999, 53% avg. Lima beans 30% harvested, 11% 1999, 9% avg. Snap Beans 50% harvested, 44% 1999, 46% avg. Soybeans 35% bloomed, 51% 1999, 42% avg.; 20% setting pods, 20% 1999, 14% avg. Sorghum 71% good, 29% excellent, 43% headed, 34% 1999, 31% avg. Tobacco 17% poor, 10% fair, 45% good, 28% excellent; 71% bloomed, 55% 1999, 59% avg. Field corn 78% silked, 81% 1999, 70% avg.; 24% dough, 32% 1999, 22% avg.; 5% dent, 4% 1999, 4% avg. Sweet corn 43% harvested, 50% 1999, 46% avg. Potatoes 73% harvested, 68% 1999, 63% avg. Pasture feed 1% very poor, 2% poor, 8% fair, 59% good, 30% excellent. Corn 1% very poor, 1% poor, 4% fair, 49% good, 45% excellent. Soybean 6% very poor, 10% poor, 19% fair, 48% good, 17% excellent. Apple 2% very poor, 16% fair, 69% good, 13% excellent; 5% harvested, 1% 1999, 2% avg. Peach 16% fair, 71% good, 13% excellent; 21% harvested, 27% 1999, 25% avg. Cantaloupe 38% harvested, 43% 1999, 47% avg. Watermelons 18% harvested, 22% 1999, 28% avg. Tomatoes 30% harvested, 37% 1999, 32% avg. All hay supplies 1% very short, 2% short, 87% adequate, 10% surplus. Percent of cutting hay crop harvest; 2nd cutting clover, other hays 76% cut, 79% 1999, 69% avg.; 3rd cutting 20% cut, 36% 1999, 23% avg.; 2nd cutting alfalfa 90% cut, 99% 1999, 94% avg.; 3rd cutting 35% cut, 42% 1999, 33% avg. Activities: Cool, wet weather has slowed maturity of corn, soybeans, yellowing of soybeans also being reported.

MICHIGAN: Days suitable for fieldwork 5.0. Topsoil 11% very short, 31% short, 48% adequate, 10% surplus. Subsoil 9% very short, 33% short, 56% adequate, 2% surplus. All Hay 2% very poor, 8% poor, 23% fair, 52% good, 15% excellent. Drybeans 2% very poor, 11% poor, 37% fair, 43% good, 7% excellent. All hay 53% 2nd cutting, 68% 1999, 65% avg. Drybeans 43% blooming, 72% 1999, 55% avg.; 16% setting pods, 24% 1999, 15% avg. Oats 86% turning yellow, 94% 1999, 80% avg. Dry weather persisted for early part of week with heavy rains falling Friday through Sunday around much of State. Heavy thunderstorms, some containing hail, fell throughout weekend. Macomb, Saint Clair county growers reported severe hail damage, with some fields destroyed. Friday's rains first significant rainfall more than two, a half weeks. Many crops showing some signs of drought stress early week, with corn showing some leaf roll around State. District rainfall totals for week ranged from 0.46 inches eastern Upper Peninsula to 2.19 inches southeastern Lower Peninsula. Reports of more than seven inches of rain Lapeer county, more than five inches Oakland county over weekend. Corn growth slow from cool conditions. Rainfall over past few days should help crop's outlook. Early planted soybeans look good, but late planted soybeans do not. Soybeans behind maturity, at a standstill most areas. Harvesting of wheat nearly completed. Second cutting of alfalfa slowed some due to weather. Sugarbeets looking good, cultivation about finished. Oats still looking good, dry beans growing well. Vegetable crops developing slowly due to cool night temperatures while rains provided relief to dry conditions. Cabbage harvest continued. Cantaloupe harvest got underway Southwest. Carrot harvest continued southern areas. Cucumbers developing slowly but quality looked good. Harvest expanding. Eggplant harvest got underway. Onions continued to progress. Potato tubers continued to develop with limited harvest underway. Late blight continued to spread but severity held check by dry conditions. Sweet corn harvest increasing but maturity slow due to cool conditions. Ripe corn short supply. Peppers developing well but maturing slowly. Some limited harvest got underway. Pea harvest near completion. Pumpkins beginning to size. Summer squash, zucchini, snap bean harvests continued. Winter squash development was behind due to below normal temperatures. Tomatoes for fresh market being harvested on a limited basis. Apples ranged from 2.0 to 2.25 inches diameter. Southwest, Lodi, Transparent, Pristine harvested for local markets. Fire blight continued to move some Southwest blocks. Tart cherry harvest nearly completed Northwest. Cherry leaf spot symptoms easy to find Southwest, unsprayed blocks nearly defoliated. Peach varieties being harvested Garnet Beauty, Harbelle, PF7, PF12A, Redhaven. Bluecrop blueberry harvest has peaked, Jersey, Rubel harvests have begun. Fruit size, quality very good. Pears ranged from 2.0 to 2.5 inches diameter. Plums ranged from 1.75 to 2.0 inches diameter. European plums coloring. Concord grape vines had green fruit.

MINNESOTA: Days suitable for fieldwork 5.4. Topsoil 1% very short, 10% short, 84% adequate, 5% surplus. Spring Wheat 88% turning ripe, 72% 1999, 60% avg. Oats 87% turning ripe, 87% 1999, 83% avg. Barley 93% turning ripe, 71% 1999, 58% avg. Corn 21% milking, 17% 1999, 15% avg. Rye 37% harvested, 34% 1999, 40% avg. Sweet corn 5% harvested, 3% 1999, 5% avg. Winter Wheat 20% harvested, 18% 1999, 22% avg. Pasture feed 1% very poor, 4% poor, 26% fair, 58% good, 11% excellent. Dry beans 5% very poor, 14% poor, 41% fair, 33% good, 7% excellent. Potatoes 2% very poor, 6% poor, 27% fair, 47% good, 18% excellent. Sunflowers 2% very poor, 11% poor, 30% fair, 48% good, 9% excellent. Canola 3% very poor, 4% poor, 18% fair, 40% good, 35% excellent. Sugarbeets 1% very poor, 4% poor, 17% fair, 52% good, 26% excellent. Severe storms on Tuesday, July 25, damaged crops, buildings in the central portion of state. In areas undamaged by the most recent

round of storms, crops are progressing well under seasonably warm, sunny conditions, have flourished in the opportunity to dry out from all the rain. Small grains are mature in most areas, harvest is picking up speed.

MISSISSIPPI: Days suitable for fieldwork 6.6. Soil moisture 43% very short, 40% short, 16% adequate, 1% surplus. Corn 83% dent, 81% 1999, 68% avg.; 32% mature, 20% 1999 18% avg.; 8% very poor, 20% poor, 33% fair, 32% good, 7% excellent. Cotton 4% very poor 10% poor, 30% fair, 48% good, 8% excellent. Rice 1% very poor, 4% poor, 25% fair, 55% good, 15% excellent. Sorghum 2% mature, 5% 1999, 2% avg.; 1% very poor, 8% poor, 32% fair, 55% good, 4% excellent. Soybeans 7% very poor, 17% poor, 27% fair, 41% good, 8% excellent. Sweetpotatoes 7% very poor, 15% poor, 37% fair, 33% good, 8% excellent. Watermelons 75% harvested, 73% 1999, 76% avg.; 6% very poor, 19% poor, 38% fair, 35% good, 2% excellent. Hay (warm-season) 60% harvested, 71% 1999, 70% avg. Cattle 3% very poor, 17% poor, 34% fair, 41% good, 5% excellent. Pasture 36% very poor, 23% poor, 26% fair, 14% good, 1% excellent. Lack or rain continues to be a problem throughout some parts of the state. Armyworms continue to be a problem in many parts of the state.

MISSOURI: Days suitable for fieldwork 4.7. Topsoil 4% very short, 19% short, 73% adequate, 4% surplus. The weekly precipitation avg 1.22 inches, ranging from 0.73 inch in the north-central district to 1.72 inches southeast. Moderately cool temperatures, the generally favorable moisture supply continue to boost row crops, pastures. Development of major crops is well ahead of normal in all areas. Corn denting is the earliest for this date since 1991, ranging from 11% in the north-central district to 35% in the southeast. Soybean pod-setting ranges from 37% in the northeast district to over 50% in the northwest, north-central, west-central, southeast districts. Sorghum heading varies from 53 % northeast to 92 % southeast. Pasture feeds 3% very poor, 13% poor, 38% fair, 42% good, 4% excellent.

MONTANA: Days suitable for fieldwork 6.9. Topsoil 54% very short, 36% short, 10% adequate, 0% surplus. Subsoil moisture 53% very short, 40% short, 7% adequate, 0% surplus. Oats 82% turning, 57% 1999, 58% avg.; 23% ripe, 17% 1999, 14% avg.; 6% harvested, 4% 1999, 3% avg.; 7% very poor, 17% poor, 29% fair, 37% good, 10% excellent. Corn 0% very poor, 5% poor, 36% fair, 49% good, 10% excellent. Dry beans 0% very poor, 2% poor, 53% fair, 39% good, 6% excellent. Potatoes 0% very poor, 1% poor, 22% fair, 42% good, 35% excellent. Sugar beets 0% very poor, 12% poor, 25% fair, 45% good, 18% excellent. Barley 86% turning, 63% 1999, 56% avg.; 17% ripe, 10% 1999, 8% avg. Spring wheat 84% turning, 65% 1999, 62% avg.; 19% ripe, 9% 1999, 7% avg. Winter wheat 92% ripe, 64% 1999, 46% avg.; 11% very poor, 23% poor, 33% fair, 27% good, 6% excellent. Alfalfa hay 34% 2nd cutting, 20% 1999, 14% avg. Other hay 79% 1st cutting, 85% 1999, 78% avg. This week, conditions have been hot, dry statewide leading to a large increase in harvest activity. In the Central region of the state, some producers are finding light head weights as a result of the drought. Irrigation water is being rationed, hay supplies are in high demand in the driest areas of the state. Grasshoppers are becoming a problem in eastern state. The Miles City area has seen high concentrations of grasshoppers on rangeland, there is the possibility that they will move onto cropland unless controlled. At this time of the year, grasshopper damage in crops can be especially severe because the grasshoppers tend to clip the heads of grains. Orange wheat blossom midge adults have appeared in eastern state. Several thousand acres were sprayed in Sheridan County for the pest whose larvae destroy the grain kernel. Alfalfa seed growers have detected lygus bugs in their crops, are working to control the problem. Damage from the wheat stem sawfly is beginning to appear as high winds have lodged some affected wheat crops. Water hauling for livestock is now being reported in the Central, North Central regions of the state. Pasture, range feed shortages now could lead to a lack of fall pasture for some producers. As water, feed supplies become tight, ranchers are selling off their cattle or pasturing them elsewhere.

NEBRASKA: Days suitable for fieldwork 5.9. Topsoil 28% very short, 33% short, 38% adequate, 1% surplus. Subsoil moisture supplies were rated mostly very short to short. Temperatures for the week avg near normals in the Panhandle, western areas, while the central, eastern half avg 2 to 5° below normals. Precipitation occurred across state, ranging from traces to over 3.0 inches. Corn 9% very poor, 13% poor, 26% fair, 38% good, 14% excellent; 89% silked, 88% 1999, 74% avg.; 19% in dough, 10% 1999, 6% avg. Soybeans 9% very poor, 15% poor, 34% fair, 30% good, 12% excellent; 87% bloomed, 81% 1999, 75% avg.; 46% setting pods, 26% 1999, 21% avg. Sorghum 7% very poor, 17% poor, 43% fair, 26% good, 7% excellent; 50% headed, 23% 1999, 17% avg. Winter Wheat 99% harvested, 96% 1999, 90% avg. Oats 85% harvested for grain, 79% 1999, 76% avg. Alfalfa 19% 3rd cutting harvested, 4% 1999, 2% avg.; 19% very poor, 22% poor, 36% fair, 19% good, 4% excellent. Wild hay 24% very poor, 21% poor, 33% fair, 18% good, 4%

excellent. Pasture, range feed 34% very poor, 34% poor, 25% fair, 6% good, 1% excellent. Some cattle moved off pastures, others receiving supplemental feed. Other producer activities included: Moving grain to market, irrigating, harvesting native hay, livestock care.

NEVADA: Temperatures rose as the week progressed, reaching record highs in some areas by week's end. Precipitation was nil. Fire hazard heightened, several range, forest fires burned across the State. Irrigation water supplies mostly adequate with some shortages. Irrigation needs peaking. Crop condition ratings remain generally good. Weather very conducive to harvests. Second cutting of alfalfa hay finishing, third cutting getting underway north. Alfalfa seed harvest underway. Timothy, grass hay harvesting well along. Winter wheat harvest began. Oats for grain harvest began. Most small grains have turned color, are ripening. Grain hay harvest complete. Corn making good progress. Garlic harvest underway. In shipments of garlic for dehydration continue. Potatoes growing well. Some livestock movement necessary due to dry range conditions. Cattle marketing remains active. Main farm, ranch activities: Alfalfa, other hay harvests, grain harvest, irrigation, pest, weed control, livestock contracting.

NEW ENGLAND: Days suitable for fieldwork: 5.0. Topsoil 1% very short, 5% short, 80% adequate, 14% surplus. Subsoil moisture 7% short, 83% adequate, 10% surplus. Pasture feed 2% very poor, 4% poor, 22% fair, 51% good, 21% excellent. Maine potatoes condition good. Rhode Island potatoes 10% harvested, 10% 1999, 5% avg.; condition good. Massachusetts potatoes 5% harvested, 10% 1999, 5% avg.; condition good to fair. Oats in Maine condition good to excellent. Barley in Maine condition good to excellent. Silage corn condition good to fair. Sweet corn 95% emerged, 100% 1999, 100% avg.; 20% harvested, 30% 1999, 20% avg.; condition good to fair. Shade tobacco 10% harvested, 35% 1999, 35% avg.; condition fair to good. Broadleaf tobacco condition fair to good. First crop hay 95% harvested, 95% 1999, 95% avg.; condition good to fair. Second crop hay 45% harvested, 45% 1999, 35% avg.; condition good. Third crop hay 5% harvested, 5% 1999, 0% avg.; condition good to fair. Apples fruit size avg to below avg, condition good to fair. Peaches 10% harvested, 30% 1999, 5% avg, fruit size avg, condition good to fair. Pears fruit size avg, condition fair to good. Strawberries 100% harvested, 100% 1999, 100% avg.; fruit size avg, condition good. Cranberries condition good. Highbush blueberries 30% harvested, 50% 1999, 40% avg.; fruit size avg to above avg, condition good to excellent. Wild Blueberries in Maine fruit size avg to above avg, condition good to excellent. Rainy weather continues to hamper farm activities. Major farm activities included: Picking blueberries, raspberries, applying fungicides, insecticides, harvesting peas, broccoli, cucumbers, sweet corn, tobacco, tomatoes, spraying potatoes, repairing harvesting equipment, potato storages, renovating strawberry patches, haying second, third crop, removing bee hives from cranberry bogs, harvesting early apples, peaches.

NEW JERSEY: Days suitable for field work 3.9. Topsoil 70% adequate, 30% surplus. Corn 81% silked, 16% fair, 44% good, 40% excellent. Soybeans 85% blooming, 100% good. Progress on cutting, baling hay was slowed by cloudy conditions, lingering showers during the latter part of the week. Harvest of sweet corn, snap beans, tomatoes, peppers has begun with crop condition rated as good to excellent. Early cabbage, lettuce harvest is nearing completion in some areas. Peach harvest continued with some areas reporting a heavy early crop with good quality. Planting of fall snap beans, spinach, lettuce should be completed in the next few weeks.

NEW MEXICO: Days suitable for field work 6.6. Topsoil 28% very short, 42% short, 30% adequate. Scattered showers, thunderstorms provided measurable rainfall at about two thirds of the reporting stations this past week. The greatest amounts were at Silver City, Santa Fe, Raton. The southeast was hot, dry, with the mercury reaching 109 in Carlsbad, 108 in Hobbs. Temperatures were close to avg over the North, above the avg in the South. The state wide avg was 2° above normal for the state. Farmers kept busy last week by irrigating, harvesting alfalfa, onions. Farmers also had to watch, spray for Grasshoppers, Army Worms. Onions were in fair to excellent condition last week, with 90% of the crop harvested. The corn crop was in fair to excellent condition with a slight decline from last week, with 62% doughing, 15% denting. The alfalfa condition declined slightly over the week with the 3rd cutting 89% complete, the 4th cutting 27% complete. Cotton is 22% ahead of the 5 yr avg, in fair to excellent condition, with boll setting increasing slightly to 97%. State's chile crop was in mostly fair to good condition last week with the pod setting 10% light, 75% avg, 15% heavy. Some ranchers were still waiting for rain, worked hard mending fences, spraying herbicide to fight the mesquite. Cattle, sheep conditions again improved slightly from last week. Pasture, range feed 4% very poor, 40% poor, 39% fair, 16% good, 1% excellent.

NEW YORK: Days suitable 4.8. Soil moisture 1% short, 75% adequate, 24% surplus. Pasture feed 22% fair, 57% good, 21% excellent. Hay 20% fair, 60% good, 20% excellent. Alfalfa 61% 2nd cut, 79% 1999, 64% avg.; 2nd cut clo-tim 39% harvested, 61% 1999, 35% avg. Hay regrowth strong. Wheat 81% harvested, 89% 1999, 68% avg. Wheat yields are good but sprouting is evident. Oats 16% harvested, 26% 1999, 21% avg. Corn 5% poor, 25% fair, 65% good, 5% excellent. Good stands on dry beans with rapid growth. Most vegetables need some warmer, sunny weather. Ontario county sweet corn on schedule with 5% harvested. Onions in the Finger Lakes region were in fair condition with high disease pressure. Grape growers in Finger Lakes region reported grapes in good to excellent condition. In most areas across the state disease pressure were high due to excessive rain. Growers have had to spray more than usual. Apples were in good condition. Fungus, scab were present, continued rains have hampered spraying, fertilizing efforts.

NORTH CAROLINA: Days suitable for field work to 3.7. The last full week of July was highlighted with widespread rainfall, unseasonably cool weather. Most areas in the State received adequate precipitation for crops with very heavy rains in isolated areas of the Coastal Plains. However, recent rains improved statewide soil moisture to it's current rating of 3% very short, 13% short, 62% adequate, 22% surplus. Activities were concentrated mostly indoors this week. All crops are in mostly good condition. Phenologically, the major crops are ahead of schedule. Limited outdoor activity included: Tobacco topping, harvesting, vegetable, peach harvest, cutting hay, pest control. Apple growers are gearing up for harvest in the Mountain region.

NORTH DAKOTA: Days suitable for fieldwork was 7. Topsoil 3% very short, 17% short, 76% adequate, 4% surplus. Subsoil moisture 5% very short, 15% short, 74% adequate, 6% surplus. With hot, dry conditions, the harvest of wheat, barely, canola, oats began this past week. Crop development for durum wheat was 96% heading, 70% 1999, 86% avg. 77% milk, 36% 1999, 50% avg.; 34% turning, 8% 1999, 16% avg. Canola 68% turning, 37% 1999; 11% swathed, 5% 1999. Dry bean development 91% blooming, 81% 1999, 83% avg.; 60% podding, 30% 1999, 45% avg.; 2% fully podded, 5% 1999, 7% avg. Flaxseed 99% blooming, 87% 1999, 79% avg.; 25% turning, 9% 1999, 10% avg. Potatoes 99% blooming, 89% 1999, 93% avg.; 83% rows filled, 85% 1999, 81% avg. Durum wheat 2% very poor, 5% poor, 27% fair, 58% good, 8% excellent. Canola 3% very poor, 6% poor, 20% fair, 56% good, 15% excellent, 11% very poor, 13% poor, 25% fair, 44% good, 7% excellent. Flaxseed 2% very poor, 5% poor, 20% fair, 58% good, 15% excellent. Potatoes 8% very poor, 11% poor, 30% fair, 36% good, and 15% excellent. Pasture and range 3% very poor, 6% poor, 22% fair, 61% good, 8% excellent. Stockwater supplies 2% very short, 6% short, 86% adequate, 6% surplus. Hay 87% of normal. Alfalfa 1st 2nd cutting was 99%, 52% complete, respectively, while all other hay was 74% complete.

OHIO: Days suitable for fieldwork, 6.6. Topsoil 3% very short, 28% short, 66% adequate, 3% surplus. Summer apples 47% harvested, 52% 1999. Alfalfa hay 89% 2nd cutting, 95% 1999; 78% avg.; 17% 3rd cutting, 24% 1999, 10% avg. Corn 90% silked, 92% 1999, 58% avg.; 18% in dough, 24% 1999, 8% avg. Cucumbers 25% harvested, 36% 1999. Oats 94% ripe, 99% 1999, 52% harvested, 78% 1999, 46% avg. Other hay 56% 2nd cutting, 74% 1999, 54% avg. Peaches 36% harvested, 36% 1999. Potatoes 14% harvested, 10% 1999, 6% avg. Soybeans 86% blooming, 93% 1999, 74% avg.; 40% setting pods, 51% 1999, 27% avg. Tobacco 25% topped, 15% 1999. Corn 2% very poor, 6% poor, 19% fair, 45% good, 28% excellent. Hay 1% very poor, 5% poor, 22% fair, 57% good, 15% excellent. Oats 0% very poor, 3% poor, 20% fair, 65% good, 12% excellent. Pasture 1% very poor, 5% poor, 29% fair, 50% good, 15% excellent. Soybeans 5% very poor, 11% poor, 29% fair, 41% good, 14% excellent. Activities for the week included: Baling hay, straw; chopping silage; harvesting wheat, oats; mowing wheat stubble; spraying weeds; spreading lime; waterway construction, preparation; mowing weeds, pastures; hauling grain, manure; repairing buildings, equipment; attending, preparing for county fairs; picking fresh market vegetables. Reported weed pressures included multiflora rose, ragweed, smartweed, foxtail, Canadian thistle, poison ivy, hemp dogbane, horseweed, barnyard grass, Johnson grass, iron weed. Reported insects were aphids in alfalfa, corn, Japanese beetles, potato leaf hoppers, slugs, grasshoppers. Reported diseases were leaf rust on corn, early blight on tomatoes, mildew, scab, leaf spot, phytophthora root rot, fungus on fruit trees, blue mold on tobacco, bacteria wilt on melons, viruses on tomatoes, squash. Producers throughout the state are now hoping for moisture to revitalize pastures, promote crop growth. Some parts of the Northwest, North Central districts have received little or no rain over the past three weeks. In the Central region of the state, pasture quality, quantity are starting to decline due to lack of precipitation. Fruit, vegetable crops were reported in mostly good condition throughout the state. A North Central district

reporter mentioned that cabbage quality is excellent. A Southeast district reporter mentioned that tomatoes are in good condition, the sweet corn crop is abundant. Producers in the Southeast, South Central districts are harvesting tomatoes, sweet corn, peppers, melons. Growth of many vegetable crops has been slowed because of low temperatures. Livestock were reported in good to excellent condition. Cool temperatures, good pasture conditions last week kept livestock under very little stress. However, increasing face fly populations caused minor problems in some areas.

OKLAHOMA: Days suitable for fieldwork 5.8. Topsoil 6% very short, 25% short, 64% adequate, 5% surplus. Subsoil moisture 4% very short, 21% short, 72% adequate, 3% surplus. Wheat 90% plowed, 88% last week, 86% 1999, 85% avg.; 18% seedbed prepared, 6% last week, 4% 1999, 9% avg. Oats 85% plowed, 83% last week, 89% 1999, 85% avg.; 18% seedbed prepared, 6% last week, 1% 1999, 4% avg. Corn 15% fair, 81% good, 4% excellent, 89% silking, 83% last week, 91% 1999, 89% avg.; 33% dough, 25% last week, 22% 1999, 41% avg.; 15% mature, 6% last week, 0% 1999, 4% avg. Sorghum 100% emerged, 99% last week, 100% 1999, 99% avg.; Soybeans 6% poor, 22% fair, 62% good, 10% excellent, 99% emerged, 98% last week, 94% 1999, 98% avg.; 57% blooming, 51% last week, 43% 1999, 64% avg.; 36% setting pods, 24% last week, 16% 1999, 31% avg. Peanuts 6% poor, 28% fair, 55% good, 11% excellent, 61% setting pods, 44% last week, 45% 1999, 57% avg. Cotton 92% squaring, 90% last week, 73% 1999, 90% avg; Alfalfa Hay 1% very poor, 3% poor, 23% fair, 64% good, 9% excellent, 99% 2nd cutting, 97% last week, 99% 1999, 100% avg.; 65% 3rd cutting, 58% last week, 67% 1999, 61% avg. Other Hay 3% poor, 23% fair, 59% good, 15% excellent; 94% 1st cutting, 93% last week, 92% 1999, 92% avg.; 43% 2nd cutting, 39% last week, 31% 1999, 29% avg. Watermelons 60% harvested, 48% last week, 36% 1999, 43% avg. Livestock 13% fair, 72% good, 15% excellent; Cattle marketings avg. Feeder steer, heifer prices steady to \$2 per cwt. lower than last week.

OREGON: Days suitable for fieldwork 7. Topsoil 15% very short, 52% short, 33% adequate. Subsoil 3% very short, 54% short, 43% adequate. Barley 25% harvested, 17% 1999, 22% avg.; 2% poor, 29% fair, 48% good, 21% excellent. Winter wheat 36% harvested, 40% 1999, 29% avg.; 26% fair, 55% good, 19% excellent. Range, pasture 2% very poor, 9% poor, 52% fair, 31% good, 6% excellent. Activities: Wheat, barley harvests progressing rapidly statewide. Barley, wheat in mostly good condition. Alfalfa, grass hay continued state wide. In Willamette Valley, grass seed harvest winding down, the straw baled. Field corn growing well, red clover setting seed. In Rogue River Valley, grass seed being harvested. Greenhouses planning, preparing for fall plants. Nurseries mostly doing plant upkeep with watering, fertilizing. Potted plants still for sale in Rogue River Valley. In Willamette Valley, new pots doing well, shearing of Christmas trees in progress. In Willamette Valley, zucchini, cucumbers, beets, cabbage, some early tomatoes ready, at local markets as was local sweet corn. Onions about ready for harvest. Green beans being picked with avg yields. Jackson County reported pickle sized cucumbers. In some eastern areas of state potatoes reported sizing well. Fresh pack potato sheds opened during week to low prices. Malheur County reported onions, potatoes showed stress from the heat. In Willamette Valley, raspberry picking neared completion. Blueberry, Marionberry picking continued. Hazelnuts filled, maturing. The last of the cherry crop, peaches being picked in Douglas county. In southern Oregon, apples, pears continued developing nicely. Peaches about ready for harvest, grapes looked good under warm weather. In Coos, Curry counties, cranberry fruit set mostly good; berries sizing, just beginning to turn red. Livestock condition remains mostly good to excellent, except Malheur county where animals mostly in fair condition. Some cattle movement began earlier than normal in northeast. Supplemental hay fed in driest parts of Malheur county, northern Willamette Valley. Ranges, pastures continued drying out quickly across state unless under irrigation.

PENNSYLVANIA: Days suitable for field work 4.6. Soil moisture 14% short, 77% adequate, 9% surplus. Corn 69% silk, 70% 1999, 59% avg. Corn 23% dough, 21% 1999, 9% avg.; 1% very poor; 5% poor, 21% fair, 47% good, 26% excellent. Soybean 1% very poor, 4% poor, 19% fair, 54% good, 22% excellent. Oats 91% yellow, 90% 1999, 89% avg.; 59% ripe, 67% 1999, 59% avg.; 33% harvested, 42% 1999, 34% avg.; 3% poor, 27% fair, 58% good, 12% excellent. Potatoes 5% harvested, 2% 1999, 2% avg. Wheat 99% ripe, 99% 1999, 99% avg.; 94% harvested, 95% 1999, 88% avg. Apples 16% harvested, 8% 1999, 5% avg. Apple 1% very poor, 3% poor, 4% fair, 91% good, 1% excellent. Peaches 29% harvested, 20% 1999, 18% avg.; 19% fair, 81% good. Alfalfa 76% 2nd cutting, 83% 1999, 71% avg.; 23% 3rd cutting, 33% 1999, 16% avg. Timothy clover 96% 1st cutting, 98% 1999, 96% avg.; 30% 2nd cutting, 32% 1999, 30% avg. Quality of hay 5% very poor, 25% poor, 45% fair, 23% good, 2% excellent. Activities include: Harvesting barley, oats, winter wheat, apples, peaches, vegetables; fixing fences; machinery maintenance; spreading lime, fertilizers; repairing buildings; hauling,

spreading manure; caring for livestock; baling straw; making hay, haylage; trimming brush, spraying crops.

SOUTH CAROLINA: Days suitable for field work 6. Soil moisture 8% very short, 46% short, 45% adequate, 1% surplus. Apples 4% poor, 89% fair, 7% good. Cantaloups 96% harvested, 96% 1999, 94% avg. Corn 94% doughed, 84% 1999, 90% avg.; 50% matured, 34% 1999, 51% avg.; 9% harvested, 5% 1999, 7% avg.; 20% very poor, 34% poor, 30% fair, 16% good. Cotton 98% squared, 97% 1999, 98% avg.; 62% bolls set, 52% 1999, 68% avg.; 2% very poor, 11% poor, 39% fair, 46% good, and 2% excellent. Hay 75% harvested, NA 1999, NA avg.; 11% very poor, 29% poor, 37% fair, 23% good. Livestock 8% poor, 37% fair, 43% good, 12% excellent. Peaches 69% harvested, 70% 1999, 72% avg.; 16% fair, 48% good, 36% excellent. Peanuts 87% pegged, 82% 1999, 64% avg.; 3% very poor, 7% poor, 45% fair, 38% good, 7% excellent. Snap beans 99% harvested, 99% 1999, 91% avg. Sorghum 70% headed, 74% 1999, 63% avg.; 40% turned color, 39% 1999, 43% avg.; 6% matured, 9% 1999, NA avg.; 25% very poor, 32% poor, 35% fair, and 8% good. Soybeans 45% bloomed, 33% 1999, 38% avg.; 28% pods set, 12% 1999, 16% avg.; 7% very poor, 16% poor, 41% fair, 36% good. Sweetpotatoes 18% poor, 47% fair, 35% good. Tobacco 100% topped, 98% 1999, 99% avg.; 34% harvested, 27% 1999, 37% avg.; 3% stalks destroyed, 3% 1999, 3% avg.; 1% very poor, 10% poor, 33% fair, 52% good, 4% excellent. Tomatoes 95% harvested, 100% 1999, 98% avg. Watermelons 97% harvested, 92% 1999, 94% avg.

SOUTH DAKOTA: Days suitable for field work 5.8. Topsoil 13% very short, 29% short, 55% adequate, 3% surplus. Subsoil moisture 16% very short, 25% short, 56% adequate, 3% surplus. Feed supplies 1% very short, 11% short, 79% adequate, 9% surplus. Stock water supplies 11% very short, 18% short, 65% adequate, 6% surplus. Winter Rye 1% poor, 6% fair, 74% good, 19% excellent, 97% ripe, 92% 1999, 89% avg.; 43% harvested, 39% 1999, 35% avg.; 1% very poor, 7% poor, 23% fair, 52% good, 17% excellent, 99% ripe, 98% 1999, 91% avg. Spring Wheat 96% turning color, 92% 1999, 83% avg.; 74% ripe, 58% 1999, 40% avg. Barley 96% turning color, 90% 1999, 86% avg.; 77% ripe, 53% 1999, 43% avg. Oats 97% turning color, 94% 1999, 85% avg.; 85% ripe, 64% 1999, 53% avg. Corn 88% tassled, 70% 1999, 62% avg.; 5% dent, 1% 1999, 1% avg.; 94% cultivated twice, 97% 1999, 97% avg. Sunflower 2% poor, 19% fair, 64% good, 15% excellent. Sunflower blooming 16%, 18% 1999, 20% avg.; 1% flowers dry, 0% 1999, 1% avg. Alfalfa hay 6% very poor, 14% poor, 30% fair, 41% good, 9% excellent, 74% 2nd cutting harvested, 58% 1999, 59% avg.; 11% 3rd cutting harvested, 9% 1999, NA% avg. Other hay 81% harvested, 75% 1999, 74% avg. Cattle 6% fair, 76% good, 18% excellent. Sheep 7% fair, 67% good, 26% excellent. Crops continue to develop at an accelerated rate due to warm temperatures. Small grain harvest is well underway, ahead of 1999, the 5-yr avgs. Livestock are in fair to excellent condition, but heat stress, water supplies are a concern for most producers.

TENNESSEE: Days suitable for fieldwork 6. Topsoil 18% very short, 39% short, 40% adequate, 3% surplus. Subsoil moisture 19% very short, 40% short, 40% adequate, 1% surplus. Tobacco 3% very poor, 11% poor, 34% fair, 45% good, 7% excellent. Pastures 9% very poor, 23% poor, 37% fair, 28% good, 3% excellent. Tobacco 50% topped, 50% 1999, 39% avg. After a dry beginning last week, the State received some much needed rainfall by week's end thanks to a cold front which also brought milder temperatures. As of Friday, most areas were short on moisture, crops had begun to show stress. The weekend rains should help improve conditions. A few parts of the State, unfortunately, received little to no rain, continue to battle dry conditions. Tobacco is in mostly good-to-fair condition although disease continues to be a problem. The 2nd cutting of alfalfa hay was nearly wrapped up last week and should be completed soon.

TEXAS: Widely scattered showers fell across portions of the High Plains, Central State, however accumulations generally were small, temperatures remained hot. Dryland crops continued to suffer from the hot, windy conditions, available moisture for late summer, fall planting continued to be depleted. Zeroing out of dry land crops continued in a few locations. Crops under irrigation continued to make good progress. Pasture feeds continued to decline as most forages have become dormant as a result of the dry conditions. Land preparation for small grains continued where possible. Damage from grasshoppers, beet armyworms escalated in a few locations. Haying operations continued but slowed in many areas as regrowth has been slow. Some peanut, sorghum producers were experiencing damage from feral hogs. Small Grains: Land preparation for fall planting continued. Moisture depletion has been severe, some producers will need rain before land preparation can begin. Oats 100% Published, 99% 1999, 98% avg. Irrigated corn continued to make good progress across the Plains however, dryland corn continued to suffer in other areas. Harvest continued in Southern, Central areas with acceptable yields in many locations. Corn Borer populations remained active across the Plains. Corn 82% normal

compared with 88% 1999, 60% Dented, 54% 1999, 56% avg.; 50% Mature, 45% 1999, 42% avg.; 30% Harvested Published, 14% 1999, 17% avg. Cotton continued to make good progress statewide, but moisture, heat stress over the past several weeks has caused a decline in condition for some areas of the state. In the Plains most fields were at peak bloom, fruiting well. Some spraying continued in areas where beet armyworms, other insect populations remained active. Harvest has made good progress in the Costal Bend, Rio Grande Valley. Cotton 73% normal compared with 68% 1999, 96% Squaring Published, 94% 1999, 95% avg.; 12% Bolls Opening, 7% 1999, 11% avg.; 4% harvested, 1% 1999, 2% avg. Rice: Harvest began to expand on early planted fields in Southcentral, Upper Coastal areas. Rice heading was completed in most areas, was maturing rapidly. Rice 82% compared with 94% 1999. Some sorghum that was planted behind wheat continued to head. Harvesting continued in central, southern areas under good dry conditions. Sorghum 67% compared with 81% 1999, 45% Mature Published, 43% 1999, 47% avg.; 37% harvested, 40% 1999, 37% avg. Peanuts: Most fields were pegging or have pegged, the outlook was good in most areas. Producers have applied fungicides for leaf spot in some areas. Irrigated peanuts continued to make excellent progress while dry land peanuts were suffering in most locations. Peanut 82% compared with 81% 1999. Irrigated soybeans continued to make good progress across the growing areas however, dryland soybeans continued to suffer in these same areas. Harvest continued to expand in Southcentral, southern areas of the state. Commercial Vegetables, Fruit, Pecans Rio Grande Valley, preparation for fall planting continued. Acreage has decreased due to water allotments. Watermelon harvest continued. San Antonio-Winter Garden, harvesting cucumbers, squash, peppers continued. Some planting for fall vegetables also continued but on a limited basis. East State, harvest was mostly completed for blueberries, watermelons. Sweet potatoes continued to make good progress. Plant diseases decreased some with heat stress taking its place. Grasshopper problem, drought was taking a toll on all vegetables. High Plains, vegetable progression remained constant. Producers continued to plant peas, watermelons. Onion harvest was mostly completed, carrot harvest continued. Pumpkins were progressing well. Peaches: Harvest of remaining peaches was completed. Any remaining fruit was generally of a lesser quality, possibly will not be harvested for commercial markets. Grasshoppers remained a problem in many orchards. Pecans continued to make good to fair progress across the state. Some nut drop was occurring in the dryer areas or where irrigation had been discontinued. Native trees without irrigation were in poor condition across the state. Range, Livestock: Drought conditions returned to many pastures that had earlier received ample moisture. The extreme heat coupled with windy conditions continued to add stress in most areas of the state. Supplemental feeding, hauling water to livestock increased for many producers. In parts of the dryer areas some producers were reducing their herds as body condition was declining as a result of the extreme conditions.

UTAH: Days suitable for field work 7. Topsoil 35% very short, 37% short, 28% adequate. Subsoil moisture 26% very short, 40% short, 34% adequate. Pasture, range feed 11% very poor, 37% poor, 36% fair, 16% good. Alfalfa hay 2nd 80% cutting, 66% 1999, 57% avg. Other hay 85% cut, 78% 1999, 71% avg. Corn height 67 inches, 57 inches 1999, 55 inches avg. Corn tasseled (silked) 35%, 34% 1999, 21% avg. Winter wheat 49% harvested, 37% 1999, 35% avg.; 27% poor, 41% fair, 32% good. Spring wheat 24% harvested, 16% 1999, 18% avg.; 11% poor, 37% fair, 46% good, 6% excellent. Barley 44% harvested (grain), 25% 1999, 24% avg.; 2% very poor, 18% poor, 40% fair, 40% good. Oats 90% headed, 90% 1999, 88% avg.; 11% harvested for grain, 76% harvested for hay or silage, 74% 1999, 66% avg. Apricots 92% harvested, 99% 1999, 40% avg. Tart cherries picked 76%, 47% 1999, 64% avg. Irrigation water supplies 25% very short, 40% short, 34% adequate, 1% surplus. Stock water supplies 11% very short, 37% short, 52% adequate. Major farm, ranch activities included: Harvesting small grains, fruits, alfalfa, irrigating crops. Due to water shortage, irrigation for crops is limited. Some growers are concentrating on watering corn, which may reduce yield on 4th crop alfalfa. Range, forest grazing land is very dry due to lack of rain. Extreme fire danger over the state as hot conditions expected to continue.

VIRGINIA: Days suitable for fieldwork 2.8. Topsoil 4% short, 63% adequate, 33% surplus. Subsoil moisture 3% very short, 13% short, 78% adequate, 6% surplus. Pastures 2% poor, 13% fair, 60% good, 25% excellent. Livestock 1% poor, 5% fair, 72% good, 22% excellent. Other Hay 2% poor, 16% fair, 54% good, 28% excellent. Alfalfa Hay 1% poor, 5% fair, 56% good, 38% excellent. Corn for Grain 1% poor, 4% fair, 47% good, 48% excellent, 86% Silked, 75% 1999, 70% 5-yr avg.; 41% dough, 29% 1999, 29% 5-yr avg.; 6% dent, 7 1999, 8 5-yr avg. Soybeans 1% very poor, 3% poor, 11% fair, 58% good, 27% excellent, 98% emerged, 97% 1999, NA 5-yr avg.; 35% blooming, 24% 1999, 32% 5-yr avg.; 14% setting pods, 6 1999, 10 5-yr avg. Flue-cured tobacco 10% fair, 50% good, 40% excellent, 10% harvested, 4% 1999, 7% 5-yr avg. Burley tobacco 1% very poor, 6% poor, 37% fair, 38% good, 18% excellent. Dark Fire-cured tobacco 9% fair, 65% good, 26% excellent. Sun tobacco 1% fair, 99% good. Peanuts 5% fair, 79% good, 16% excellent, 64% pegged, 97% 1999, 92% 5-yr avg. Cotton 1% poor, 9% fair, 76% good, 14% excellent, 99% squaring, 99% 1999, 98% 5-yr avg.; 50% setting

bolts, 49% 1999, 81% 5-yr avg. Summer Potatoes 2% very poor, 1% poor, 24% fair, 60% good, 13% excellent. Summer Potatoes 86% harvested, 79% 1999, 77% 5-yr avg. Apples 29% fair, 55% good, 16% excellent. Summer apples 52% harvested, 8% 1999, 18% 5-yr avg. Peaches 11% very poor, 7% poor, 28% fair, 39% good, 15% excellent, 47% harvested, 34% 1999, 32% 5-yr avg. Above avg rainfall, extremely wet field conditions halted fieldwork on many farms in the Commonwealth last week. Persistent rainfall saturated the soil, improving conditions however the wet weather also hurt conditions of other crops. Some hay farmers are complaining that they are losing their 2nd cutting due to rot. Blue mold reports continued to increase in tobacco acres. Growth regulators were applied to cotton in some areas as weather permitted. Some farmers made it out to the field to harvest tobacco but overall very little field work was accomplished last week.

WASHINGTON: Days suitable for fieldwork 7.0. Topsoil 10% very short, 47% short, 43% adequate. Subsoil moisture 1% very short, 60% short, 39% adequate. Winter wheat dryland 10% fair, 69% good, 21% excellent; irrigated 100% good. Winter wheat 29% harvested, 15% 1999, 20% avg. The winter wheat harvest continued across the state with avg to above avg yields being reported. Spring wheat dryland 5% poor, 27% fair, 56% good, 12% excellent; irrigated, 100% good. 8% harvested, 3% 1999, 4% avg. Barley dryland 5% poor, 29% fair, 50% good, 16% excellent; irrigated 100% good. Harvested 10%, 6% 1999, and 9% avg. The spring wheat barley harvest continued. Spring crops were aided by warm temperatures in combating stripe rust. Potatoes 4% fair, 92% good, 4% excellent, 15% harvested, 7% 1999, 9% avg. Alfalfa hay 94% 2nd cutting, 100% 1999, 87% avg.; 12% 3rd cutting, 21% 1999, 7% avg. Hay, roughage, 85% adequate, 15% surplus. Range, Pasture 29% poor, 41% fair, 30% good. The potato, vegetable seed crops, summer vegetables, peas, lentil harvest continued across the state as did the apricot, peach, raspberry, blueberry harvest. Apple thinning, summer pruning took place in the states apple centers. Christmas tree shearing took place in the western half of the state. Pasture, range land were turning brown due to the lack of water. Dairymen sprayed fields with liquid manure. The range fires throughout central state continue to burn.

WEST VIRGINIA: Days suitable for fieldwork 3.8. Topsoil 5% short, 75% adequate, 20% surplus. Wet weather caused delays in hay cutting, but was beneficial to crop, livestock conditions, except tobacco. Wheat 80% harvested, 100% 1999, 85% 5-yr avg. Hay 2% poor, 18% fair, 67% good, 13% excellent; Hay 46% 2nd cut, 44% 1999, 39% 5-yr avg. Corn 15% fair, 31% good, 54% excellent; 66% silked, 59% 1999, 58% 5-yr avg.; 11% doughing, 10% 1999, 13% 5-yr avg. Soybean 19% fair, 58% good, 23% excellent; 52% blooming, 64% 1999, 64% 5-yr avg.; 23% setting pods, 22% 1999, 25% 5-yr avg. Oats 4% poor, 33% fair, 44% good, 19% excellent; 59% harvested, 33% 1999, 46% 5-yr avg. Tobacco 12% poor, 41% fair, 47% good; 16% topped, 5% 1999, 22% 5-yr avg. Apple 58% fair, 35% good, 7% excellent. Peach 59% fair, 33% good, 8% excellent. Cattle 2% poor, 10% fair, 73% good, 15% excellent. Sheep 3% fair, 88% good, 9% excellent.

WISCONSIN: Days suitable for fieldwork 5.9. Soil moisture 5% very short, 32% short, 59% adequate, 4% surplus. A splash of rain needed in southern state. Soils in southern state have dried out, crops need more rain. Some fields in central state have gone two weeks without rain. In some areas, corn, other crops are showing stress due to lack of moisture. Dry weather has helped farmers harvest 2nd crop hay. North Central State had 99% adequate soil moisture condition. Second cutting of hay: 88% 2000, 75% 1999, 65% 5-year avg. Winter wheat 82% harvested. The southern part of the state led with 84% or more of the winter wheat harvest completed. Pasture feed 3% very poor, 11% poor, 30% fair, 45% good, 11% excellent. Tobacco looked good. Fall raspberries were starting to blossom.

WYOMING: Days suitable for fieldwork 6.7. Topsoil 39% very short, 51% short, 10% adequate. Subsoil moisture 27% very short, 68% short, 5% adequate. Barley 81% turning color, 76% 1999, 79% avg.; 46% mature, 56% 1999, 33% avg.; 10% harvested, 24% 1999, 9% avg.; 6% poor, 47% fair, 42% good, 5% excellent. Oats 87% headed, 84% 1999, 89% avg.; 47% turning color, 34% 1999, 54% avg.; 10% mature, 13% 1999, 23% avg.; 12% poor, 40% fair, 39% good, 9% excellent. Spring wheat 90% headed, 92% 1999, 89% avg.; 62% turning color, 48% 1999, 60% avg.; 8% mature, 29% 1999, 25% avg.; 25% poor, 44% fair, 27% good, 4% excellent. Winter wheat 97% mature, 98% 1999, 94% avg.; 88% harvested, 73% 1999, 51% avg. Corn 80% tasseled, 86% 1999, 71% avg.; 54% silked, 49% 1999, 32% avg.; 3% poor, 20% fair, 73% good, 4% excellent. Dry beans 68% bloom, 88% 1999, 83% avg.; 31% setting pod, 31% 1999, 33% avg.; 1% poor, 10% fair, 80% good, 9% excellent. Sugarbeets 2% poor, 15% fair, 69% good, 14% excellent. Alfalfa 98% 1st cutting, 97% 1999, 96% avg.; 22% 2nd cutting, 18% 1999, 13% avg. Other hay 64% harvested, 54% 1999, 60% avg. Range, pasture feed 16% very poor, 33% poor, 42% fair, 9% good. Stock water supplies 34% very short, 32 short, 34 adequate. Cattle 2% poor, 29% fair, 69% good. Calves 1% poor, 28% fair, 71% good. Sheep 32% fair, 68% good. Lambs 32% fair, 68% good.